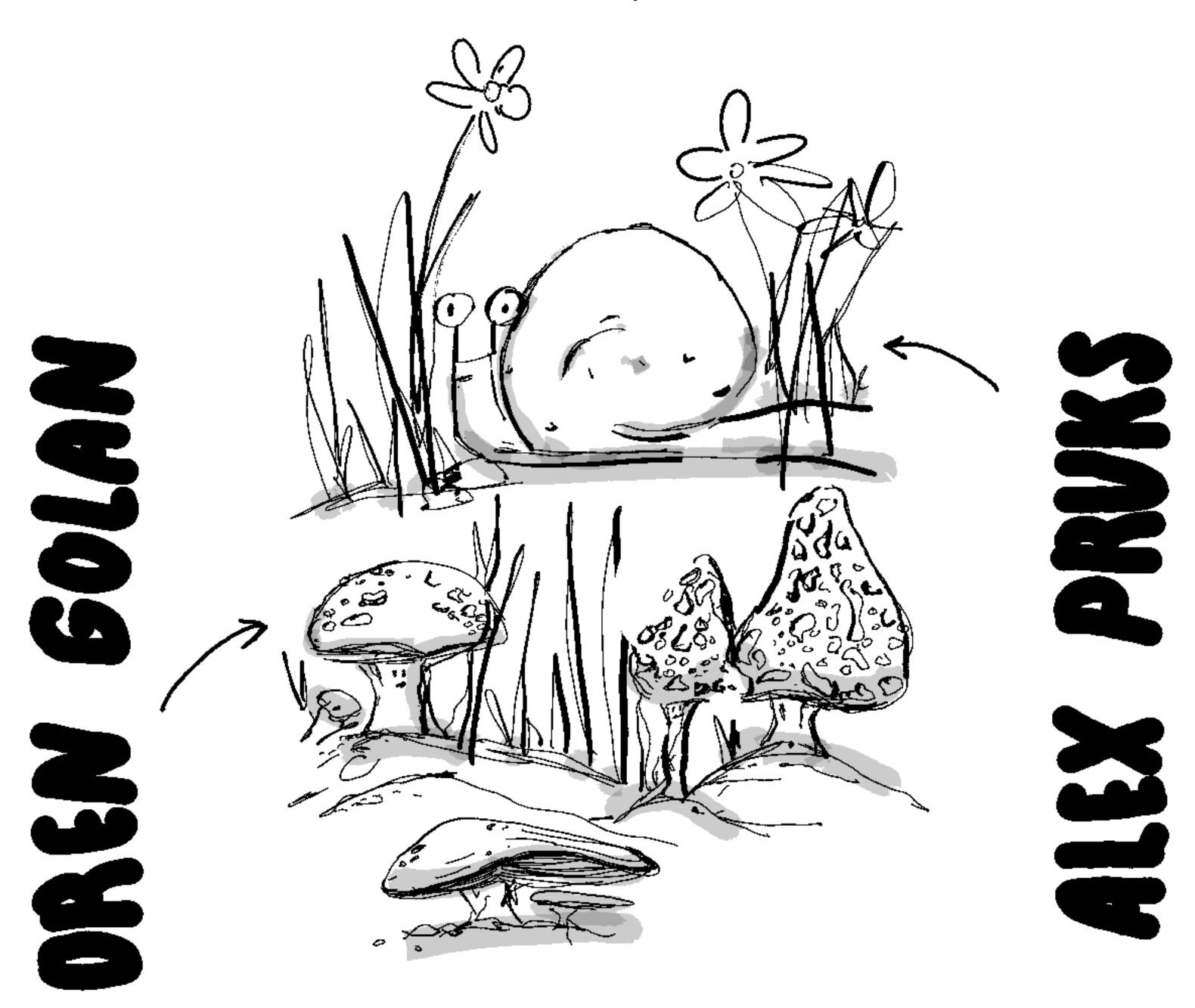
# HOW TO NAVIGATE A COMPLEX ORGANIZATION

A VISUAL GUIDE



# PREVIOUS NAMES

HOW TO BUILD AN ADAPTIVE ORGANIZATION

HOW TO CHANGE

2 A COMPLEX

ORGANIZATION

J HOW TO NAVIGATE

A COMPLEX

ORGANIZATION

?

4

# WHAT YOU WILL LEARN?

- DESCRIBE WHAT AN ADAPTIVE CHALLENGE IS
- UNDERSTAND WHAT A COMPLEX SYSTEM IS
- RECOGNIZE THE LEVERAGES IN A SYSTEM
- RECOGNIZE THE TRAPS IN A SYSTEM
  AND HOW TO AVOID THEM
- EVALUATE THE UNCERTAINTY OF THE CHALLENGES YOU ARE FACING USING CYNEFIN FRAMEWORK
- GENERATE MULTIPLE STRATEGIES USING WARDLEY MAPS

# REJILIENCY

# BLUEFIN TUNA

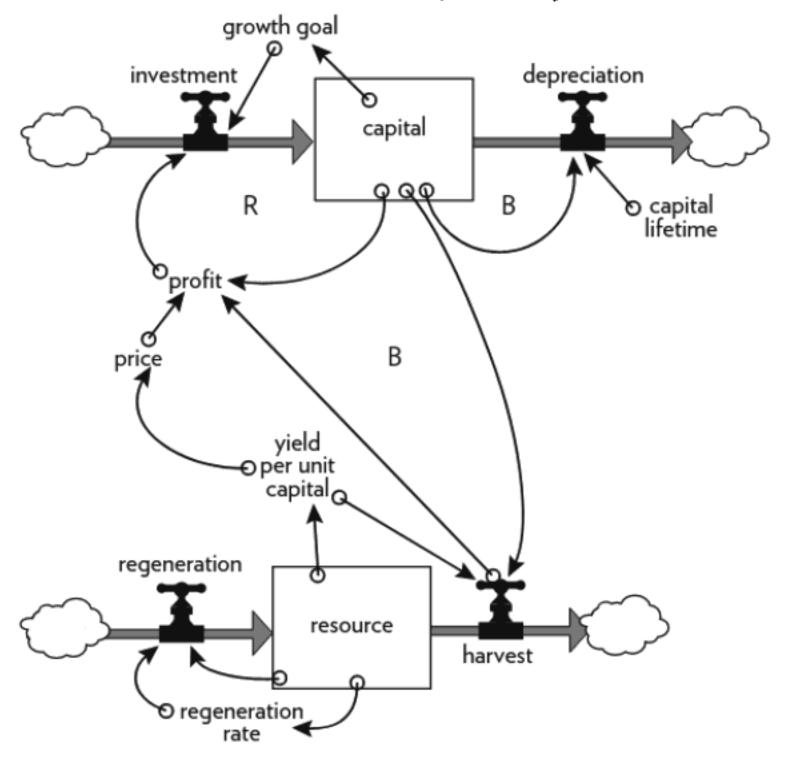


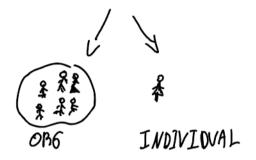
Figure 42. Economic capital with its reinforcing growth loop constrained by a renewable resource.

# CAUSES OF NON SUSTAINABLE SYSTEM

- MENTAL MODEL 160ALS (GROWTH)
- TECHNOLOGY (SONAR)
- MARKETS (PRICES VISIBLE)
- GOVERNMET (HELP FISHERIES)

# WHAT IS YOUR DR6 ADAPTIVE CHALLANGE?

I. REQUIRE ADAPTATION AND LEARNING



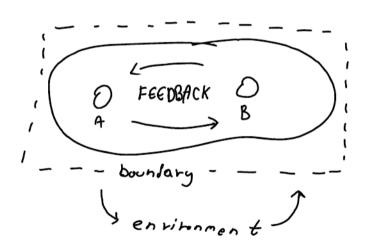
2. UNCERTAIN SOLUTIONS

3. PARADOX / TENSION



# SYSTEM

"A SET OF THINGS WORKING TOGETHER
AS PART OF A MECHANISM OR AN
INTERCONNECTING NETWORK"



# SYSTEM THINKING & MANAGEMENT SCIENCE

SYSTEM TYPE	PART	WHOLE
MECHANICAL	×	×
LIVIN6	*	V
SOCIAL	V	<b>V</b>
ENVIRONMENTAL	\	×

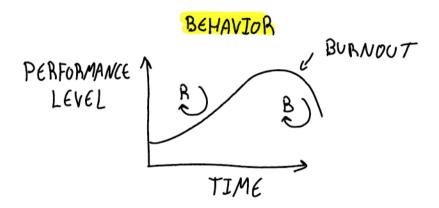
V - FREE WILL /AGENCY
X - NO FREE WILL

BUSSEL L. ACKOFF

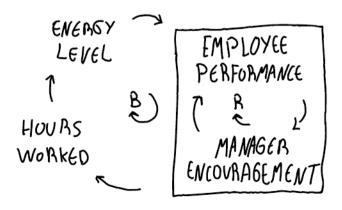
# FEEDBACK LOOPS

REINFORCING

BALANCING



#### STRUCTUBE



# LEVERAGES

1 MENTAL MODEL/PARADIGM

2 GOALS

+ 3 ORE STRUCTURE

4 POLICIES / RULES

5 MECHANISMS

6 INFORMATION FLOW

1 METRICS

8 RESOURES

POLICY RESISTANCE (FIXES THAT FAIL)

#### EXAMPLES:

BOMANIA, WARS ON DRUGS, UNSUPPORTED LIBS

THE WAY OUT:

LET 60, CHANGE GOAL

TRAGEDY OF THE COMMONS

#### EXAMPLES:

FISH, FOSSIL FUELS, POPULATION GROWTH

#### THE WAY OUT:

EDUCATE, DIVIDE THE SHARED BESOURCE, BEGULATE THE COMMON

DRIFT TO LOW PERFORMANCE

#### EXAMPLES:

FALLING MARKET SHARE, DIRTIER AIR, GAINING
FAT IN SPITE OF DIETING

#### THE WAY OUT:

ADJUST STANDARDS BASED ON BEST PERFORMANCE

ESCALATION

EXAMPLES:

ARM RACE, ADS CAMPAIGN

THE WAY OUT:

REFUSE TO COMPETE, BUILD A SYSTEM WITH BALANCING LOOPS TO CONTROL THE ESCALATION

SUCCESS TO THE SUCCESSFUL

#### EXAMPLES:

EXTINCTION OF SPECIES, NUMBER OF CAR BRANDS AND NEWSPAPERS

#### THE WAY OUT:

POLICIES THAT LEVEL THE PLAYING FIELD

(TAX, UNIONS, EQUAL HEALTHCARE & EDUCATION)

#### ADDICTION

#### EXAMPLES:

FAMILIES DELEGATING CARE FOR ELDERLY,
RELYING ON VACCINE & MEDICATION

#### THE WAY OUT:

HELP A SYSTEM TO NESTORE ITS ABILITY
TO SOLVE ITS PROBLEMS, THEN REMOVE YOURSELF

AULE BEATING

#### EXAMPLES:

SPENDING AT THE END OF THE YEAR, POISON ENDANGERED SPECIES

#### THE WAY OUT:

REDESIGN RULES TO TURN THE SELF

ORGANIMATION OF THE SYSTEM IN THE

DIRECTION OF ACHIEVING THE PURPOSE

OF THE PULES

SEEKING THE WRONG GOAL

#### EXAMPLES:

GDP DOES NOT COUNT FOR WELFARE, EQUITY,

JUSTICE. MEASURING GOOD EDUCATION BY MONEY SPENT

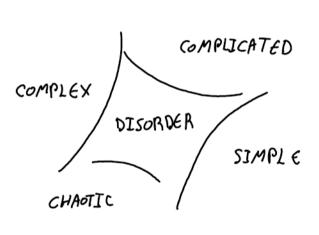
THE WAY OUT:

SET GOALS THAT REFLECT THE BEAL WELFARE OF THE SYSTEM

# CYNEFIN

A FRAMEWORK FOR NAVIGATING UNCERTAINTY

UNPREDICTABLE WORLD



PREDICTABLE WORLD

# Complex Probe - Sense - Respond Emergent Practice A/B Enabling Constraints TEST DISARA CONFLIC

DISARM CONFLICT LEADING

PEOPLE

INCHEASE INNOVATION

PARENTING

Chaotic

Act - Sense - Respond

Novel Practice

No offective Constru

No effective Constraints

BOLL BACK

PRODUCTION FIRE!

SERVERS ARE DOWN

#### Complicated

Sense - Analyse - Respond

Cood Proctice

Good Practice

Governing Constraints

BUILD CAR

PAY TAXES

Disorder

**Simple**Sense - Catagorise - Respond

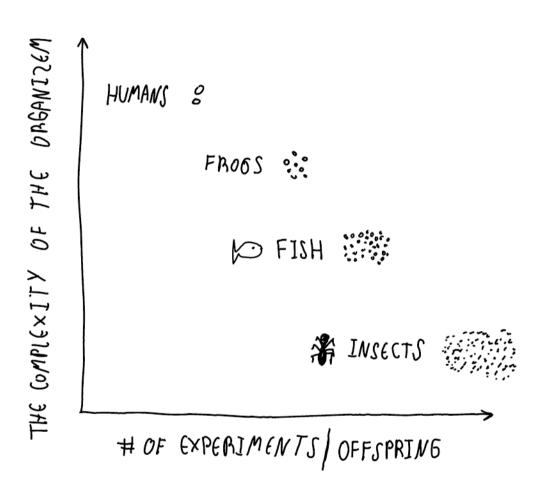
Best Practice

Fixed Constraints

CHECKLEST

CHARGE PHONE

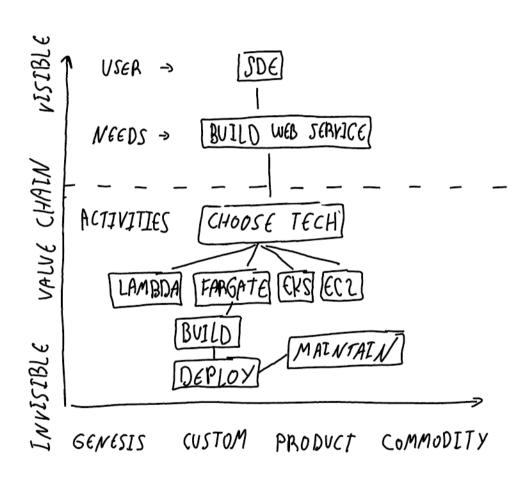
# HOW MANY EXPERIMENTS



MAKING THINGS WORK

# WARDLEY MAPS

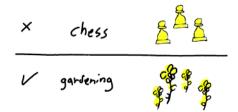
TOPOGRAPHICAL INTELLIGENCE IN BUSINESS



## RESOURCES

Books:

THINKING IN SYSTEMS MAKING THINGS WORK GOOD STRATEGY BAD STRATEGY TEAM OF TEAMS AGENDASHIFT TUBN THE SHIP AROUND CONNECT: BUILDING EXCEPTIONAL RELATIONSHIPS NONVIOLENT COMMUNICATION AN EVERYONE CULTURE: BECOMING A DELIBERATELY DEVELOPMENTAL ORGANIZATION



## RESOURCES

#### OTHER:

WARDLEY MAPS CYNEFIN CLEAN LANGUAGE OREN,GITHUB. IO

# **ADVISORS**

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